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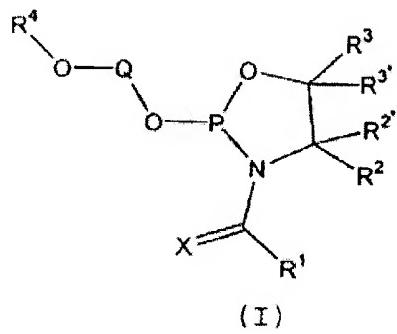
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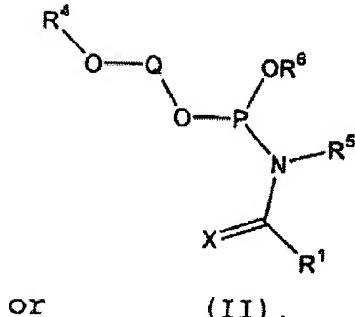
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CLAIMS 1-2 (ORIGINAL)

1. A compound of the formula:



(I)



or

(II),

wherein:

R¹ is an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R¹ is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of R⁷, OR⁷, SR⁷, NR⁸COR⁷, NR⁸CSR⁷, NR⁸CO₂R⁷, NR⁸C(O)SR⁷, NR⁸CS₂R⁷, O₂CR⁷, S₂CR⁷, SCOR⁷, OCSR⁷, SO₂R⁷, OSO₂R⁷, NR⁸SO₂R⁷, CN, NO₂, N₃, and a halogen, wherein R⁷ is an alkyl, an aryl or an aralkyl, wherein R⁷ is unsubstituted or substituted with one or more halogen atoms, which are the same or different, and R⁸ is H or an alkyl;

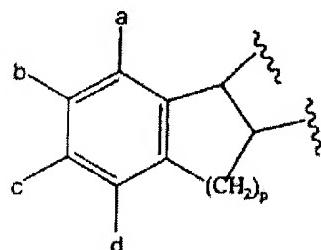
R² and R^{2'} are the same or different and each is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R² is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of OR⁷, CN, NO₂, N₃, and a halogen;

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R³ and R^{3'} are the same or different and each is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R³ is unsubstituted or substituted with one or more substituents, which are the same or

different, selected from the group consisting of a trialkylsilyl, an aryldialkylsilyl, an alkyldiarylsilyl, CN, NO₂, N₃, halogens, OR⁷, P(O)(OR⁷)(OR⁸), COR⁹, CSR⁹, CO₂R⁹, COSR⁹, CSOR⁹, CONR⁸R⁹, CSNR⁸R⁹, SO₂R⁹, and SO₂NR⁸R⁹, wherein R⁹ is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aralkyl, or an aryl, wherein R⁹ is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of CN, NO₂, N₃, and a halogen; or

R² and R³, R²' and R³, R² and R³', or R²' and R³', together with the carbon atoms to which they are bonded, comprise a cyclic substituent of the formula:



wherein p is an integer from 0-6 and a-d are the same or different and each is selected from the group consisting of H, an alkyl, a nitro, an amino, a hydroxy, a thio, a cyano and a halogen;

R⁴ is a protecting group or a solid support;

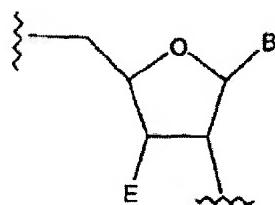
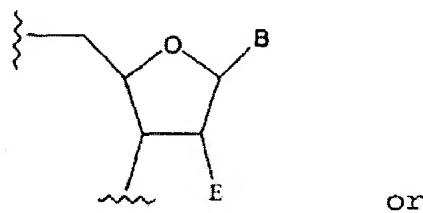
R⁵ is H or an alkyl, which is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of OR⁷, CN, NO₂, N₃, and a halogen;

R⁶ is a protecting group, an amidoalkyl in which the nitrogen atom is 2, 4, or 5 carbon atoms removed from the oxygen of OR⁶, an alkyl, an alkyl ketone, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R⁶

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is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of CN, NO₂, N₃, and a halogen;

Q is a nucleoside, an oligonucleotide comprising a nucleoside, or an oligomer comprising a nucleoside, wherein said nucleoside is of the formula:



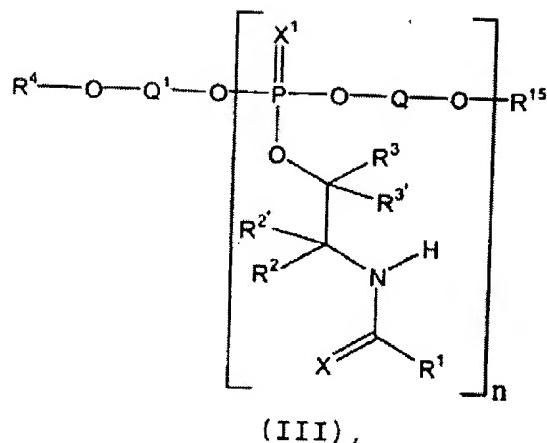
wherein:

B is a labeling group, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, a heteroaryl, a heterocycloalkyl, an aralkyl, an amino, an alkylamino, a dialkylamino, a purine, a pyrimidine, adenine, guanine, cytosine, uracil, or thymine, wherein B is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a protecting group, R¹¹, OR¹¹, NHR¹¹, NR¹¹R¹², CN, NO₂, N₃, and a halogen, wherein R¹¹ and R¹² are the same or different and each is H, a protecting group, or an alkyl; and,

E is H, a halogen, OR¹³, NHR¹³, or NR¹³R¹⁴, wherein R¹³ and R¹⁴ are the same or different and each is H, a protecting group, an alkyl, or an acyl; and

X is O, S, or Se.

2. A compound of the formula:



(III),

wherein:

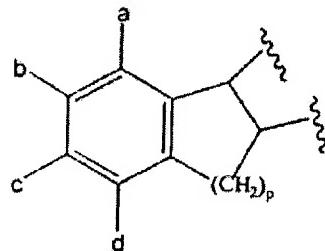
R¹ is an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R¹ is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of R⁷, OR⁷, SR⁷, NR⁸COR⁷, NR⁸CSR⁷, NR⁸CO₂R⁷, NR⁸C(O)SR⁷, NR⁸CS,R⁷, O₂CR⁷, S₂CR⁷, SCOR⁷, OCSR⁷, SO₂R⁷, OSO₂R⁷, NR⁸SO₂R⁷, CN, NO₂, N₃, and a halogen, wherein R⁷ is an alkyl, an aryl or an aralkyl, wherein R⁷ is unsubstituted or substituted with one or more halogen atoms, which are the same or different, and R⁸ is H or an alkyl;

R² and R^{2'} are the same or different and each is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R² is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of OR⁷, CN, NO₂, N₃, and a halogen;

R³ and R^{3'} are the same or different and each is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R³ is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a

trialkylsilyl, an aryldialkylsilyl, an alkyldiarylsilyl, CN, NO₂, N₃, a halogen, OR⁷, P(O)(OR⁷)(OR⁸), COR⁹, CSR⁹, CO₂R⁹, COSR⁹, CSOR⁹, CONR⁸R⁹, CSNR⁸R⁹, SO₂R⁹, and SO₂NR⁸R⁹, wherein R⁹ is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aralkyl, or an aryl, wherein R⁹ is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of CN, NO₂, N₃, and a halogen; or

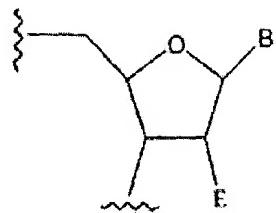
R² and R³, R^{2'} and R^{3'}, R² and R^{3'}, or R^{2'} and R^{3'}, together with the carbon atoms to which they are bonded, comprise a cyclic substituent of the formula:



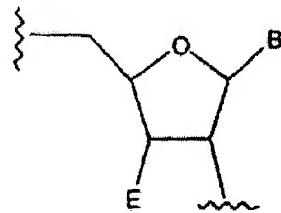
wherein p is an integer from 0-6 and a-d are the same or different and each is selected from the group consisting of H, an alkyl, a nitro, an amino, a hydroxy, a thio, a cyano and a halogen;

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R⁴ is a protecting group or a solid support,
R¹⁵ is H or a protecting group;
Q and Q¹ are the same or different and each is a nucleoside, an oligonucleotide comprising a nucleoside, or an oligomer comprising a nucleoside, wherein said nucleoside is of the formula:



or



wherein:

B is a labeling group, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, a heteroaryl, a heterocycloalkyl, an aralkyl, an amino, an alkylamino, a dialkylamino, a purine, a pyrimidine, adenine, guanine, cytosine, uracil, or thymine, wherein B is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a protecting group, R¹¹, OR¹¹, NHR¹¹, NR¹¹R¹², CN, NO₂, N₃, and a halogen, wherein R¹¹ and R¹² are the same or different and each is H, a protecting group, or an alkyl; and

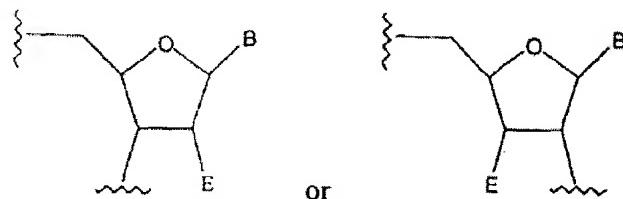
E is H, a halogen, OR¹³, NHR¹³, or NR¹³R¹⁴, wherein R¹³ and R¹⁴ are the same or different and each is H, a protecting group, an alkyl, or an acyl;

X and X¹ are the same or different and each is O, S, or Se; and,

n is an integer from 1 to about 300, wherein Q is the same or different in each of the units defined by n when n is greater than 1.

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3. (Amended) The compound of claim 1, wherein Q is a nucleoside of the formula:



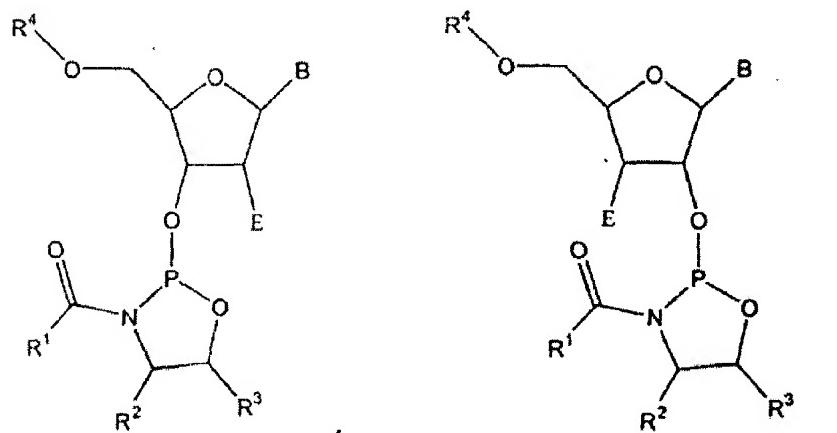
wherein:

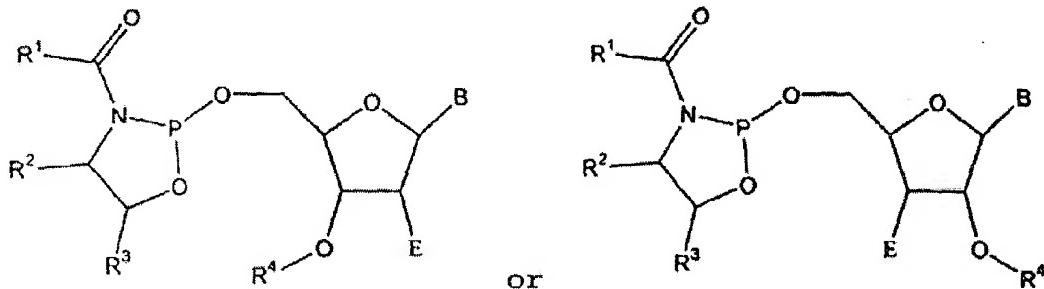
B is a labeling group, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, a heteroaryl, a heterocycloalkyl, an aralkyl, an amino, an alkylamino, a dialkylamino, a purine, a pyrimidine, adenine, guanine, cytosine, uracil, or thymine, wherein B is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a protecting group, R¹¹, OR¹¹, NHR¹¹, NR¹¹R¹², CN, NO₂, N₃, and a halogen, wherein R¹¹ and R¹² are the same or different and each is H, a protecting group, or an alkyl; and

E is H, a halogen, OR¹³, NHR¹³, or NR¹³R¹⁴, wherein R¹³ and R¹⁴ are the same or different and each is H, a protecting group, an alkyl, or an acyl.

CLAIM 4 (ORIGINAL)

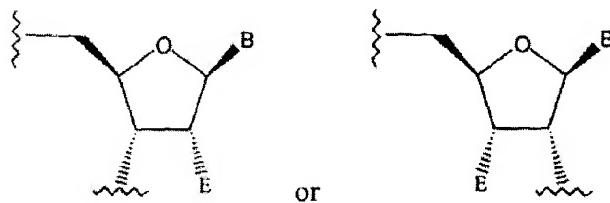
4. The compound of claim 1, wherein said compound is of the formula:





wherein R^1-R^4 , B, and E are as defined in claim 1.

5. (Amended) The compound of claim 1, wherein Q is an oligonucleotide comprising a nucleoside, a nucleoside, or an oligomer comprising a nucleoside, wherein said nucleoside is of the formula:



wherein:

B is a labeling group, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, a heteroaryl, a heterocycloalkyl, an aralkyl, an amino, an alkylamino, a dialkylamino, a purine, a pyrimidine, adenine, guanine, cytosine, uracil, or thymine, wherein B is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a protecting group, R^{11} , OR^{11} , NHR^{11} , $NR^{11}R^{12}$, CN, NO₂, N₃, and a halogen, wherein R^{11} and R^{12} are the same or different and each is H, a protecting group, or a C₁-C₆ alkyl; and

E is H, a halogen, OR^{13} , NHR^{13} , or $NR^{13}R^{14}$, wherein R^{13} and R^{14} are the same or different and each is H, a protecting group, an alkyl, or an acyl.

CLAIM 6 (ORIGINAL)

6. The compound of claim 5, wherein B is a purine, a pyrimidine, adenine, guanine, cytosine, uracil, or thymine, wherein B is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a protecting group, R^{11} , OR^{11} , NHR^{11} , $NR^{11}R^{12}$, CN, NO_2 , N₃, and a halogen, wherein R^{11} and R^{12} are the same or different and each is H, a protecting group, or an alkyl.

7. (Amended) The compound of claim 1, wherein R^1 is an alkyl, which is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of fluorine, OR^7 , and SR^7 , wherein R^7 is an alkyl or an aryl.

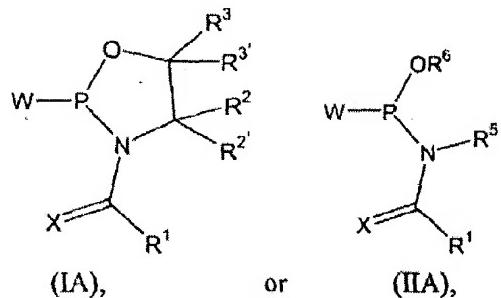
CLAIM 8 (ORIGINAL)

8. The compound of claim 7, wherein R^3 is a vinyl group or a phenyl group.

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9. (Amended) The compound of claim 1, wherein R⁴ is a 4,4'-dimethoxytrityl group.

10. (Amended) A compound of the formula:



wherein:

W is a leaving group;

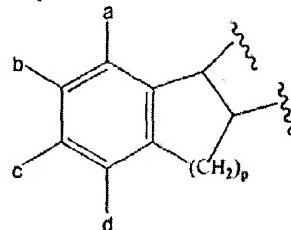
R¹ is an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R¹ is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of R⁷, OR⁷, SR⁷, NR⁸COR⁷, NR⁸CSR⁷, NR⁸CO₂R⁷, NR⁸C(O)SR⁷, NR⁸CS₂R⁷, O₂CR⁷, S₂CR⁷, SCOR⁷, OCSR⁷, SO₂R⁷, OSO₂R⁷, NR⁸SO₂R⁷, CN, NO₂, N₃, and a halogen, wherein R⁷ is an alkyl, an aryl or an aralkyl, wherein R⁷ is unsubstituted or substituted with one or more halogen atoms, which are the same or different, and R⁸ is H or an alkyl;

R² and R^{2'} are the same or different and each is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R² is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of OR⁷, CN, NO₂, N₃, and a halogen;

R³ and R^{3'} are the same or different and each is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R³ is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a trialkylsilyl, an arylalkylsilyl, an alkyldiarylsilyl, CN, NO₂, N₃, a halogen, OR⁷,

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$P(O)(OR^7)(OR^8)$, COR^9 , CSR^9 , CO_2R^9 , $COSR^9$, $CSOR^9$, $CONR^8R^9$, $CSNR^8R^9$, SO_2R^9 , and $SO_2NR^8R^9$, wherein R^9 is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aralkyl, or an aryl, wherein R^9 is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of CN, NO₂, N₃, and a halogen; or R^2 and R^3 , $R^{2'}$ and $R^{3'}$, R^2 and $R^{3'}$, or $R^{2'}$ and R^3 , together with the carbon atoms to which they are bonded, comprise a cyclic substituent of the formula:



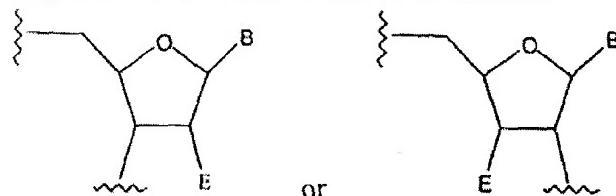
wherein p is an integer from 0-6 and a-d are the same or different and each is selected from the group consisting of H, an alkyl, a nitro, an amino, a hydroxy, a thio, a cyano and a halogen;

R^4 is a protecting group or a solid support;

R^5 is H or an alkyl, which is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of OR^7 , CN, NO₂, N₃, and a halogen;

R^6 is a protecting group, an amidoalkyl in which the nitrogen atom thereof is 2, 4, or 5 carbon atoms removed from the oxygen of OR^6 , an alkyl, an alkyl ketone, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R^6 is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of CN, NO₂, N₃, and a halogen;

Q is an a nucleoside, oligonucleotide comprising a nucleoside, or an oligomer comprising a nucleoside, wherein said nucleoside is of the formula:



wherein:

B is a labeling group, an alkyl, an alkenyl an alkynyl, a cycloalkyl, an aryl, a heteroaryl, a heterocycloalkyl, an aralkyl, an amino, an alkylamino, a dialkylamino, a purine, a pyrimidine, adenine, guanine, cytosine, uracil, or thymine, wherein B is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a protecting group, R¹¹, OR¹¹, NHR¹¹, NR¹¹R¹², CN, NO₂, N₃, and a

halogen, wherein R¹¹ and R¹² are the same or different and each is H, a protecting group, or an alkyl; and,

E is H, a halogen, OR¹³, NHR¹³, or NR¹³R¹⁴, wherein R¹³ and R¹⁴ are the same or different and each is H, a protecting group, an alkyl, or an acyl; and

X is O, S, or Se.

CLAIMS 11-15 (ORIGINAL)

11. The compound of claim 10, wherein W is halogen, a dialkylamino having from 2 to about 8 carbon atoms, or a cyclic amine having from 2 to about 6 carbon atoms, wherein one or more carbon atoms of the dialkylamino or

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cyclic amine are optionally substituted with one or more heteroatoms, which are the same or different.

12. A method of preparing a polymer, said method comprising the steps of:

(a) reacting a nucleophile that can displace the N-acyl group of an N-acylphosphoramide with the N-acylphosphoramide of claim 1, wherein R⁴ is a protecting group, to produce an adduct of said N-acylphosphoramide and said nucleophile, said adduct comprising a tricoordinated phosphorus atom;

(b) reacting said adduct with a reagent selected from the group consisting of oxidizing agents, sulfurizing agents, and selenizing agents, to produce a product, wherein said tricoordinated phosphorus atom is converted into a phosphorus atom with a valence of greater than three;

(c) removing the protecting group R⁴ from the product; and

(d) optionally repeating steps (a) through (c) one or more times until a polymer of specified length is obtained.

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13. The method of claim 12, further comprising the step of cleaving the bond linking the organic moiety to the non-bridging phosphate, phosphorothioate or phosphoroselenoate oxygen atom in the product obtained in step (c) or (d).

14. The method of claim 13, wherein the bond linking the organic moiety to the non-bridging phosphate, phosphorothioate or phosphoroselenoate oxygen atom is cleaved chemically.

15. The method of claim 13, wherein the bond linking the organic moiety to the non-bridging phosphate, phosphorothioate or phosphoroselenoate oxygen atom is cleaved thermally.

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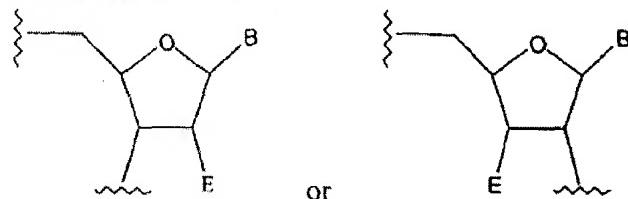
16. (Amended) The method of claim 12, wherein said nucleophile is attached to a solid support.

17. (Amended) The method of claim 12, wherein said nucleophile is of the formula:



wherein:

Q is a nucleoside, oligonucleotide comprising a nucleoside, or an oligomer comprising a nucleoside, wherein said nucleoside is of the formula:



wherein:

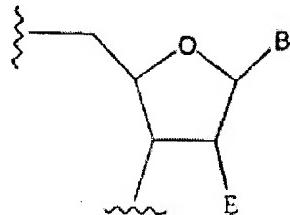
B is a labeling group, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, a heteroaryl, a heterocycloalkyl, an aralkyl, an amino, an alkylamino, a dialkylamino, a purine, a pyrimidine, adenine, guanine, cytosine, uracil, or thymine, wherein B is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a protecting group, R¹¹, OR¹¹, NHR¹¹, NR¹¹R¹², CN, NO₂, N₃, and a halogen, wherein R¹¹ and R¹² are the same or different and each is H, a protecting group, or an alkyl; and

E is H, a halogen, OR¹³, NHR¹³, or NR¹³R¹⁴, wherein R¹³ and R¹⁴ are the same or different and each is H, a protecting group, an alkyl, or an acyl; and

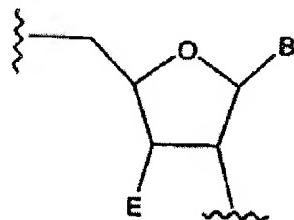
R⁴ is a solid support.

CLAIM 18 (ORIGINAL)

18. The method of claim 14, wherein Q is a nucleoside, an oligonucleotide comprising a nucleoside, or an oligomer comprising a nucleoside, wherein said nucleoside is of the formula:



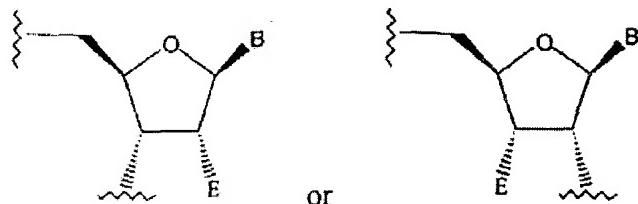
or



wherein B and E are as defined in claim 14.

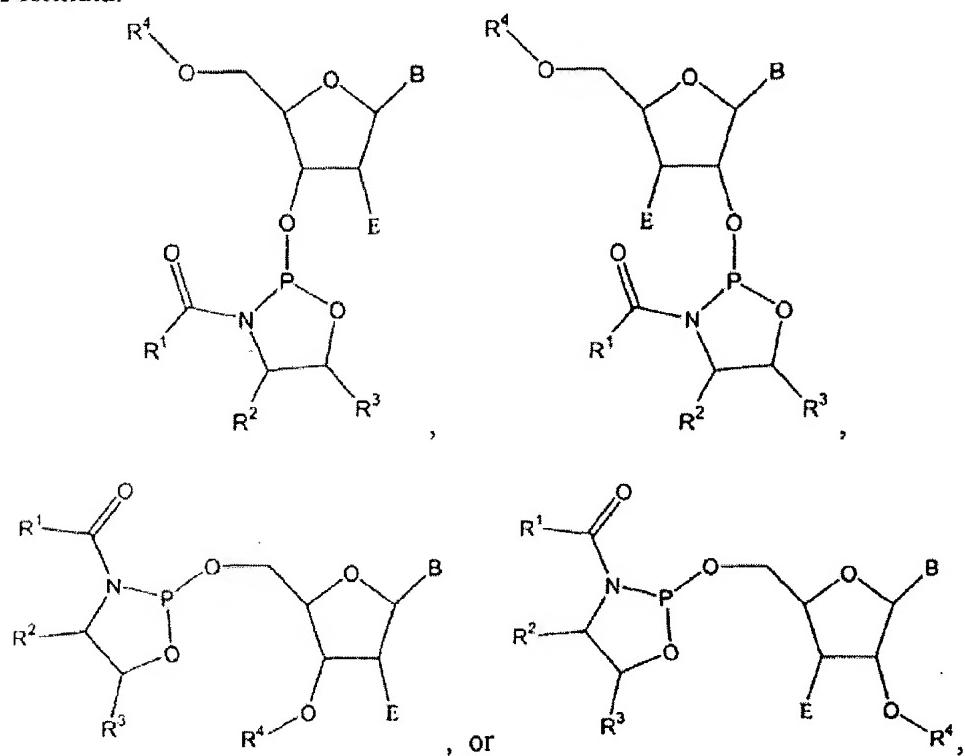
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19. (Amended) The method of claim 17, wherein Q is a nucleoside, an oligonucleotide comprising a nucleoside, or an oligomer comprising a nucleoside, wherein said nucleoside is of the formula:



wherein B and E are as defined in claim 17.

20. (Amended) The method of claim 12, wherein said N-acylphosphoramidite is of the formula:



wherein:

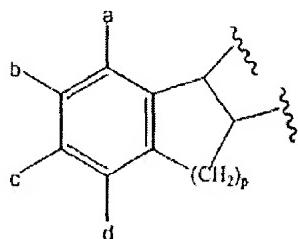
R¹ is an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R¹ is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of R⁷, OR⁷, SR⁷, NR⁸COR⁷, NR⁸CSR⁷, NR⁸CO₂R⁷, NR⁸C(O)SR⁷, NR⁸CS₂R⁷, O₂CR⁷, S₂CR⁷, SCOR⁷, OCSR⁷, SO₂R⁷, OSO₂R⁷, NR⁸SO₂R⁷, CN, NO₂, N₃, and a halogen, wherein R⁷ is an alkyl, an aryl or an aralkyl, wherein R⁷ is unsubstituted or substituted with one or more halogen atoms, which are the same or different, and R⁸ is H or an alkyl;

R² is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R² is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of OR⁷, CN, NO₂, N₃, and a halogen;

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R^3 is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, or an aralkyl, wherein R^3 is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a trialkylsilyl, an aryldialkylsilyl, an alkyl diarylsilyl, CN, NO₂, N₃, a halogen, OR⁷, P(O)(OR⁷)(OR⁸), COR⁹, CSR⁹, CO₂R⁹, COSR⁹, CSOR⁹, CONR⁸R⁹, CSNR⁸R⁹, SO₂R⁹, and SO₂NR³R⁹, wherein R⁹ is H, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aralkyl, or an aryl, wherein R⁹ is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of CN, NO₂, N₃, and a halogen; or

R^2 and R^3 , together with the carbon atoms to which they are bonded, comprise a cyclic substituent of the formula:



wherein p is an integer from 0-6 and a-d are the same or different and each is selected from the group consisting of H, an alkyl, a nitro, an amino, a hydroxy, a thio, a cyano and a halogen;

R^4 is a protecting group or a solid support;

B is a labeling group, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, a heteroaryl, a heterocycloalkyl, an aralkyl, an amino, an alkylamino, a dialkylamino, a purine, a pyrimidine, adenine, guanine, cytosine, uracil, or thymine, wherein B is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a protecting group, R¹¹, OR¹¹, NHR¹¹, NR¹¹R¹², CN, NO₂, N₃, and a halogen, wherein R¹¹ and R¹² are the same or different and each is H, a protecting group, or an alkyl; and,

E is H, a halogen, OR¹³, NHR¹³, or NR¹³R¹⁴, wherein R¹³ and R¹⁴ are the same or different and each is H, a protecting group, an alkyl, or an acyl.

22. (Amended) The method of claim 20, wherein R¹ is an alkyl, which is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of fluorine, OR⁷, and SR⁷, wherein R⁷ is an alkyl, an aryl, or an aralkyl.

23. (Amended) The method of claim 20, wherein R³ is a vinyl group, a phenyl, or a benzyl.

24. (Amended) The method of claim 20, wherein R⁴ is a 4,4'-dimethoxytrityl group.

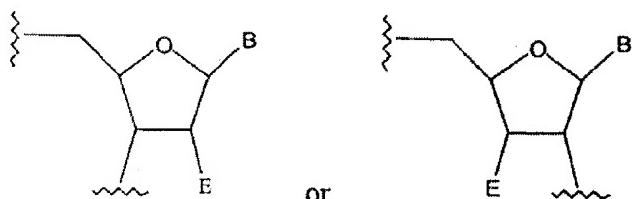
CLAIM 25 (ORIGINAL)

25. A method of synthesizing an oligomer or polymer, said method comprising:

- (i) providing a nucleophile;
- (ii) reacting said nucleophile, in the presence of a mild acid, with the compound of claim 10 or 11, to produce an adduct;
- (iii) reacting the resulting product, in the presence of a base, with a nucleoside, having at least one nucleophilic group and at least one suitably protected nucleophilic group, to produce a product;
- (iv) deprotecting the protected nucleophilic group of the resulting product;
- (v) oxidatively transforming the tricoordinated phosphorus atom into a tetracoordinated one; and
- (vi) repeating the steps (ii)-(v) until an oligomer or polymer of predetermined length is obtained.

Add the following claims:

26. (New) The compound of claim 2, wherein each of Q and Q¹ is a nucleoside of the formula:



wherein:

Q and Q¹ are the same or different;

B is a labeling group, an alkyl, an alkenyl, an alkynyl, a cycloalkyl, an aryl, a heteroaryl, a heterocycloalkyl, an aralkyl, an amino, an alkylamino, a dialkylamino, a purine, a pyrimidine, adenine, guanine, cytosine, uracil, or thymine, wherein B is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of a protecting group, R¹¹, OR¹¹, NHR¹¹, NR¹¹R¹², CN, NO₂, N₃, and a halogen, wherein R¹¹ and R¹² are the same or different and each is H, a protecting group, or an alkyl; and

E is H, a halogen, OR¹³, NHR¹³, or NR¹³R¹⁴, wherein R¹³ and R¹⁴ are the same or different and each is H, a protecting group, an alkyl, or an acyl.

27. (New) The compound of claim 2, wherein R¹ is an alkyl, which is unsubstituted or substituted with one or more substituents, which are the same or different, selected from the group consisting of fluorine, OR⁷, and SR⁷, wherein R⁷ is an alkyl or an aryl.

28. (New) The compound of claim 2, wherein R⁴ is a 4,4'-dimethoxytrityl group.

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